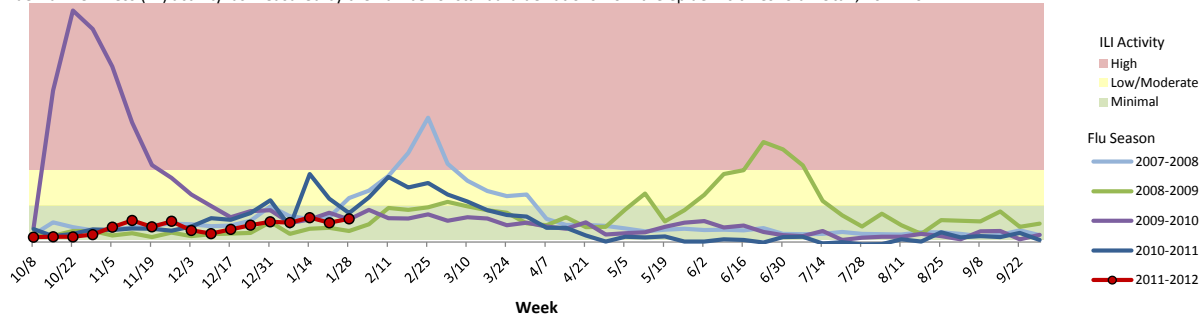


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



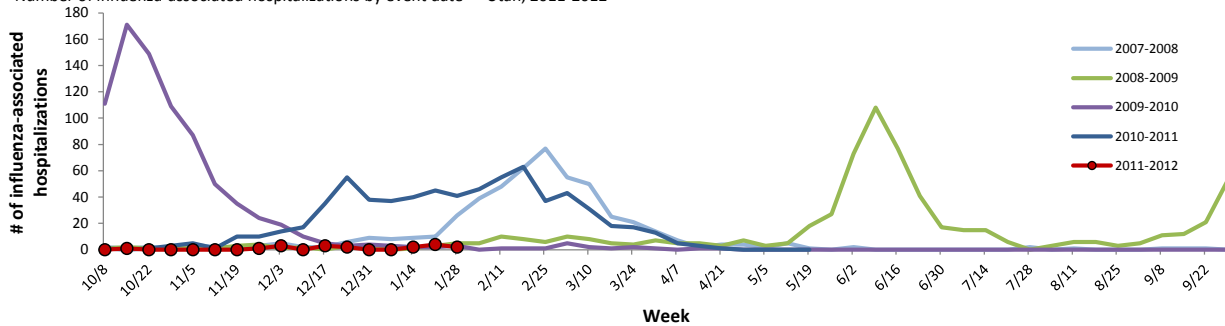
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Minimal
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	10	55.6%	50.3%	0.6558
	Female	8	44.4%	49.7%	0.6558
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	14	77.8%	82.0%	0.6376
	Hispanic	2	11.1%	11.6%	0.9497
	Native Hawaiian/Pacific Islander	0	0.0%	0.7%	0.7262
	Black/African American	1	5.6%	0.9%	0.0413
	American Indian	0	0.0%	1.1%	0.6498
	Asian	1	5.6%	1.9%	0.2481
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	3	16.7%	1.1	0
5-24 years	2	11.1%	0.2	1
25-49 years	3	16.7%	0.3	0
50-64 years	6	33.3%	1.5	1
65+ years	4	22.2%	1.6	0
Total	18	100%	0.6	2

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	0
Central	0
Davis	1
Salt Lake	14
Southeastern	0
Southwest	0
Summit	1
Tooele	0
TriCounty	0
Utah	1
Wasatch	0
Weber-Morgan	1

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	6	33.3%	11	61.1%	1	5.6%
Ventilator	2	11.1%	14	77.8%	2	11.1%
Died	2	11.1%	13	72.2%	3	16.7%
Neurological Symptoms	2	11.1%	16	88.9%	0	0.0%
Healthcare Worker	1	5.6%	15	83.3%	2	11.1%
Pregnant	0	0.0%	18	100.0%	0	0.0%
Heart Disorder	4	22.2%	14	77.8%	0	0.0%
Blood Disorder	1	5.6%	16	88.9%	1	5.6%
Kidney Disorder	2	11.1%	16	88.9%	0	0.0%
Metabolic Disorder	4	22.2%	14	77.8%	0	0.0%
Chronic Respiratory Disorder	9	50.0%	8	44.4%	1	5.6%
Immunosuppressed	4	22.2%	14	77.8%	0	0.0%
Neurological Disorder	2	11.1%	16	88.9%	0	0.0%
Seizure Disorder	0	0.0%	18	100.0%	0	0.0%
Bacterial Co-infection	2	11.1%	15	83.3%	1	5.6%
Obese**	4	26.7%	7	46.7%	4	26.7%
Morbidly Obese**	1	6.7%	10	66.7%	4	26.7%
Risk Factor***	14	77.8%	4	22.2%	0	0.0%
Vaccinated	9	50.0%	6	33.3%	3	16.7%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	2	100.0%	15	83.3%
Probable**	0	0.0%	3	16.7%
Total	2	100.0%	18	100.0%

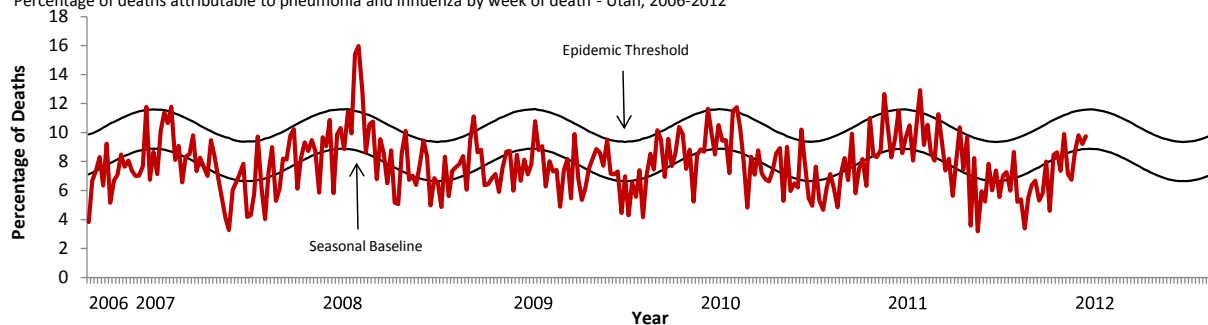
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

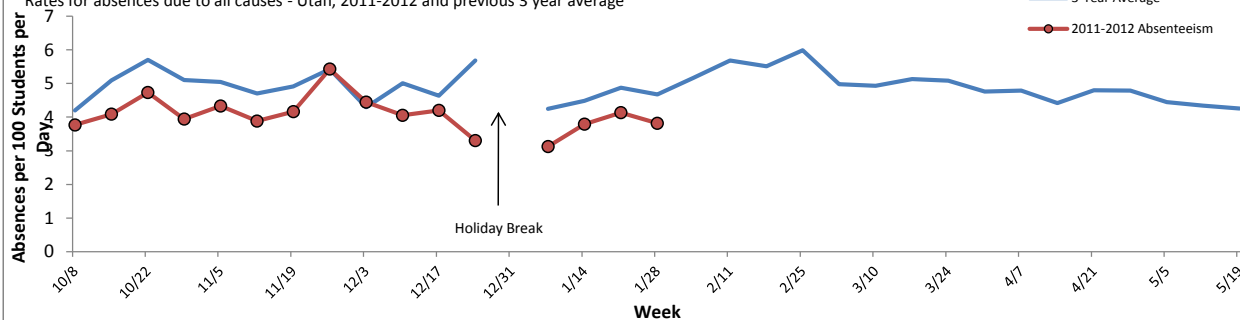
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	2.4
Central	3.7
Davis	3.8
Salt Lake	3.9
Southeast	4.4
Southwest	5.0
Summit	4.9
Tooele	5.1
TriCounty	4.9
Utah	2.7
Wasatch	2.6
Weber-Morgan	4.0
State	3.9

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	213	--	16	--
Positive specimens	28	13.1%	4	25.0%
Positive Specimens by Type/Subtype				
Influenza A	23	82.1%	4	100.0%
A (2009 H1N1)	7	30.4%	3	75.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	16	69.6%	1	25.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	5	17.9%	0	0.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

